

RG6 SERIES

Physical Dimensions

Component		Standard Shield mm	Tri Shield mm	Quad Shield mm
Center Conductor		1.02	1.02	1.02
Dielectric		4.57	4.57	4.57
Outer Conductor		5.44	5.60	6.32
Jacket		6.91	7.06	7.62
Jacket Wall Thickness		0.76	0.76	0.75
Messenger	single	1.30	1.30	1.30
	dual	1.83	1.83	1.83

Mechanical Characteristics

Minimum Breaking Strength of Messenger	single	82kgf
	dual	166kgf
Dielectric Adhesion		>20N/5cm

Electrical Characteristics

Capacitance		50±3.0 nf/km
Impedance		75±3.0 ohms
Velocity of Propagation		85%
Shielding Effectiveness	55MHz	≥60dB
	300MHz	≥70dB
	1000MHz	≥70dB
Return Loss (100% swept)	1 ~ 470MHz	≥22dB
	470 ~ 1000MHz	≥20dB
	1000 ~ 2200MHz	≥18dB

Notes:

- The conductivity should be more than 23% when CCS is used as inner conductor.
- 60% coverage for inner shield, 42% coverage for outer shield.

Attenuation (20 °C)

For CATV		For Satellite	
Frequency(MHz)	Maximum(dB/100m)	Frequency(MHz)	Maximum(dB/100M)
5	1.90	1	0.82
55	5.25	10	2.30
83	6.40	50	4.79
187	9.35	100	6.40
211	10.00	200	8.96
250	10.28	400	12.47
300	11.64	700	17.06
350	12.63	900	19.36
400	13.61	1000	20.67
450	14.43	1200	22.31
500	15.09	1450	24.93
550	16.08	1800	26.90
600	16.73	2200	32.15
750	18.54		
865	20.01		
1000	21.49		

